ABSTRACT OF THE DISCLOSURE

An aligning apparatus for heavy loads, in particular a printing unit, includes at least one support plate, which is rotatably mounted on a base plate screwed to an erection surface and can be positioned on the base plate with regard to its horizontal position by means of adjusting screws. Each support plate interacts with a vertical adjusting screw which is provided for adjusting the vertical position of the printing unit and can be fixed to the printing unit, each vertical adjusting screw being designed with a spherical end which is supported on the plate in a spherical recess designed with little play or as a locating fit.